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# UNITED NATIONS TRANSPORT AND COMMUNICATIONS DECADE IN AFRICA (1978-1988)

## UPDATING OF THE PROGRAMME OF THE SECOND PHASE (1984-1988) OF THE DECADE

INTRODUCTION

During the first phase of the Decade, member States often submitted new projects to the Decade secretariat (ECA) at random throughout the period of the phase. This necessitated the continual changing of the programme content and cost. To facilitate the management of the Decade programme by the Decade secretariat, it was decided that in phase two, modifications to the programme would be admissible only at the biennial Conference of Ministers and that, in order to be accepted, a new project would have to conform to the guidelines for the admission of projects adopted by the third Conference of Ministers in Cairo in 1983.

In Resolution ECA/UNTACDA/Res.83/32 the meeting, in addition to confirming the Global Strategy and the objectives and priorities adopted in 1979, specifically enumerates the following criteria in operative paragraph 6:

6. Requests each member State to revise its own package of projects for the second phase according to the following guidelines:

(a) On-going projects should be continued and included in the second phase;

(b) Projects with feasibility studies, and included in the national plan as well as of relevance to the global objectives should be included in the programme;

(c) Projects without feasibility studies and those which are still at the conception stage should generally be excluded. Care however should be exercised that those related to the global objectives of the Decade are not excluded out of hand;

(d) A project not included in the national plan of the country submitting it shall not be included in the programme;

(e) There must be an effective co-ordination and integration of the various modes of transport and communication;

(f) Strong emphasis should be placed on maintenance and the preservation of existing assets;

(g) There should be a clear indication of the extent of local and foreign financing;

Experts will therefore be expected to recommend new projects to be accepted to the Ministers. In addition, they will be expected to provide any modifications to their current second phase national or subregional projects e.g. changes in cost or scope of the projects.

Proposed changes

This document is a compilation of proposed changes to the programme of the second phase that was approved by the fourth Conference of Ministers of Transport Communications and Planning in 1984. The proposed updates are grouped in four categories as follows:

- Projects with cost changes in 1985;

-Projects which for one reason or another have been deleted at the request of African Governments;

-Projects modified in scope;
-New projects proposed by member States for inclusion in the programme.

The total number of projects and the associated cost impacts are shown in tables 1 and 2, respectively.

Out of 1,053 projects in the programme costing an estimated $18 billion, the submitted changes increase the estimated costs to $20 billion, approximately a 10 percent increase. Each type of change is summarized below.

(a) Projects with cost changes. There are 185 projects submitted with costs changes from the approved programme, amounting to $1.7 billion, or 10 per cent of the original cost. These are listed in Annex I.

(b) Projects deleted from the programme. There are a total of 17 projects deleted from the programme at the request of the concerned member States, costing $138 million. In terms of cost, the three railways projects were worth $60 m, while the six projects deleted from the postal services sector cost $21 m. The full list of projects deleted is contained in Annex II.

(c) Projects with modifications. A total of only 10 projects fall in this category, with eight of them from the postal services sector. The net impact of these modifications is a reduction of cost by $9m. Annex III lists these projects.

(d) New projects. Annex IV shows the titles and costs of new projects submitted to ECA. There are 42 projects, costing an estimated $218m. All these were submitted in only three sectors, namely, railways, air transport and postal services, following the technical consultaative meetings for these sectors which were organized in Brazzaville, Congo in November 1985.

Table 1 : UPDATING OF THE PROGRAMME OF THE SECOND PHASE (1984-1988) OF THE DECADE
NUMBER OF PROJECTS BY SECTOR

| Sector | Total Projects | Projects With cost Changes | Projects Deleted | Projects with Modifications | New Projects |
|---|---|---|---|---|---|
| Roads and road transport | 239 | 81 | 1 | 0 | 0 |
| Railways | 84 | 29 | 3 | 1 | 21 |
| Maritime transport | 38 | 2 | 2 | 0 | 0 |
| Ports | 70 | 8 | 1 | 0 | 0 |
| Air transport | 94 | 4 | 0 | 0 | 10 |
| Inland water transport | 45 | 3 | 2 | 0 | 0 |
| Multimodal transport | 11 | 3 | 0 | 1 | 0 |
| Total transport | 581 | 130 | 9 | 2 | 31 |
| Telecommunications | 216 | 10 | 0 | 0 | 0 |
| Broadcasting | 121 | 6 | 2 | 0 | 0 |
| Postal services | 135 | 39 | 6 | 8 | 11 |
| Total communications | 472 | 55 | 8 | 8 | 11 |
| Grand Total | 1,053 | 185 | 17 | 10 | 42 |

Table 2: UPDATING OF THE PROGRAMME OF THE SECOND PHASE (1984-1988) OF THE DECADE (ESTIMATED COST IN MILLION OF $US)

| Sector | 1 UNTACDA Second Phase Projects | 2 New Projects | 3 Revised Projects | 4 Combined Projects | 5 Cancelled Projects | 6 Total Projects 2+3+4-5 | 7 Total Up dated Second Phase Programme 1 + 6 |
|---|---|---|---|---|---|---|---|
| Roads and road transport | 5,204.4 | | 581.3 | - | 2.5 | | |
| Railways | 5,616.4 | 143.2 | 1,294.9 | - | 60.8 | | |
| Maritime transport | 482.9 | | (85.0) | - | 8.2 | | |
| Ports | 1,849.9 | | (67.5) | - | 40.0 | | |
| Air transport | 923.0 | 48.6 | 7.4 | - | - | | |
| Inland water transport | 325.7 | | 2.8 | - | 1.4 | | |
| Multimodal transport | 26.5 | | 10.6 | - | - | | |
| Telecommunications | 2,692.2 | | (9.2) | - | - | | |
| Broadcasting | 715.6 | | (0.3) | - | 43 | | |
| Postal services | 522.9 | 26.4 | (33.3) | (9.2) | 21.0 | | |
| Total | 18,359.8 | 218.2 | 1,701.7 | (9.2) | 138.2) | 1772.5 | 20,132.3 |

Recommendations

The proposed changes should be considered according to the type of change.

(a) Cost changes - since the cost changes were not submitted with any supporting documentation, ECA is not able to categorically recommend the acceptance of individual project changes. In general however, the cost changes do look reasonable.

(b) Deletions - projects deleted at the request of the member States must be deleted from the programme.

(c) Modifications - there are only a few of these and the modifications do appear reasonable. ECA recommends their acceptance.

(d) New Projects - new projects will be included only if they conform to the Cairo guidelines. In this regard, ECA was not able to analyse the submitted project proposals because most of these submissions did not include sufficient information on the projects. In many cases, only the project titles and cost estimates are given. In a few cases even the costs are not given.

Taking into account the time available before the end of the Decade and considering the low implementation rates so far attained, ECA believes that effort should be concentrated on the implementation of the projects already contained in the programme. The introduction of new projects would only act to divert attention from the programme. Moreover, the existance of the Decade programme did not preclude other planned developments in the transport and communications sectors. Thus new projects could be implemented outside the Decade framework.

However, if the member States feel that certain new projects must be included in the programme, then ECA requests that these members submit the full documentation with each project so that a detailed analysis can be carried out to determine if the proposal meets the Cairo guidelines. In addition a cut-off date, preferably June 1986, should be established for the submission of these proposals and documents. In any case, a final update of the second phase programme should be done not later than 31 December 1986.

ANNEX I

Projects with cost changes in 1985

Roads and road transport I. TRANSPORT

| Project Number | Project title | Estimated total cost ($m) Previous | Revised |
|---|---|---|---|
| ROP-03-003 | BENIN: Study on the Sene-Cotonou-Godomey road (30 km) | 0.60 | 0.50 |
| ROP-03-004 | BENIN: Construction of the Bassa-Zoume-Parakou road (230 Km) | 40.00 | 50.00 |
| ROP-06-002 | CAMEROON: Study on the Kribi-Yokadouma road (700 km) | 8.00 | 6.00 |
| ROP-06-007 | CAMEROON: Study and start of construction of the Yaounde-Bertoua-Garoua-Boulai road (560 km) | 26.30 | 6.3 |
| ROP-15-001 | ETHIOPIA: Construction of the Azezo-Metema road (217 km) | 42.00 | 110.00 |
| ROP-15-002 | ETHIOPIA: Training of Ethiopian transport officers | 4.20 | 1.00 |
| ROP-15-003 | ETHIOPIA: Study on a vocational training centre | 0.26 | 1.50 |
| ROP-15-004 | ETHIOPIA: Strengthening the maintenance of main and rural roads (first phase) | 125.00 | 283.00 |
| ROP-15-005 | ETHIOPIA: Strengthening of the Mojo-Awasa road (200 km) | 25.00 | 20.00 |
| ROP-15-006 | ETHIOPIA: Strengthening of the Nekempte-Ghimbi road (150 km) | 11.80 | 20.00 |
| ROP-15-007 | ETHIOPIA: Construction of the Arba Minch-Yabelo road (215 km) | 28.00 | 30.00 |
| ROP-15-008 | ETHIOPIA: Construction of the Ghimbi-Kurmuk road (330 km) | 8.80 | 19.00 |
| ROP-15-009 | ETHIOPIA: Technical assistance, studies and training for NATRAC R | 4.80 | 8.80 |
| ROP-15-010 | ETHIOPIA: Rehabilitation and strengthening of the Awash-Miesso-Kulubi road | 10.00 | 2.60 |

Road and road transport (cont'd)

| Project Number | Project title | Estimated total cost ($m) Previous | Revised |
|---|---|---|---|
| ROP-16-001 | GABON: Study on the Lalara-Eboro Section of the Libreville-Eboro road (375 km) | 3.45 | 2.60 |
| ROP-16-002 | GABON: Study on the Bifoun-Doussala road | 4.00 | 3.20 |
| ROP-17-001 | GAMBIA: Maintenance of roads in the Gambia | 12.30 | 24.40 |
| ROP-18-003 | GHANA: Study on the Accra-Kumasi-Techiman-Tamale-Paga road (636 km) | 2.00 | 87.60 |
| ROP-18-004 | GHANA: Rehabilitation of the Accra-Yamoransa road (113 km) | 58.00 | 107.70 |
| ROP-18-005 | GHANA: Repair of the Takoradi-Axim road (60 km) | 65.45 | 45.10 |
| ROP-18-010 | GHANA: Rehabilitation and upgrading of the Aguna-Tarkina-Bogoso road (100 km) | 34.88 | 33.00 |
| ROP-19-003 | GUINEA: Reconstruction of the Conakry-Mamou road (255 km) | 24.00 | 25.00 |
| ROP-21-001 | IVORY COAST: Study on the Ferkessedougou-Ouangolodougou-Mali border and the Ouangolodougou-Upper Volta border roads | 1.00 | 2.50 |
| ROP-22-001 | KENYA: Construction of the Lodwar-Sudan border road (244 km) | 28.00 | 44.16 |
| ROP-22-002 | KENYA: Study on the Isiolo-Moyale road (517 km) | 2.80 | 131.00 |
| ROP-22-005 | KENYA: Bitumen surfacing of the Garissa-Garsen-Malindi road (451 km) | 20.00 | 38.95 |
| ROP-22-006 | KENYA: Bitumen surfacing of the Kisumu-Yala road (81 km) | 11.86 | 7.90 |

Road and Road transport (cont'd)

| Project Number | Project title | Estimated total cost $km) Previous | Revised |
|---|---|---|---|
| ROP-22-007 | KENYA: Study on a section of the Ahero-Kisii road (81 km) | 1.50 | 5.33 |
| ROP-22-008 | KENYA: bitumen surfacing of the Narok-Sotik road (119 km) | 40.00 | 35.67 |
| ROP-22-009 | KENYA: Study on the Embu-Kangondi road (86 km) | 0.50 | 40.00 |
| ROP-23-001 | LESOTHO: Reconstruction and strengthening of the Taung-Makhotlong-Sani Top road | 46.00 | 61.00 |
| ROP-23-002 | LESOTHO: Strengthening of the Thaba Tseka-Taung-Mpiti road (154 km) | 53.00 | 1.00 |
| ROP-26-001 | MADAGASCAR: Training of transport management personnel | 1.00 | 0.30 |
| ROP-28-001 | MALI: Reconstruction of the Kolokani-Bamako road (124 km) | 17.00 | 6.00 |
| ROP-28-004 | MALI: Reconstruction of the Bamako-Bougouni road (156 km) | 30.00 | 20.00 |
| ROP-28-007 | MALI: Study on the Kayes-Senegal border road (105 km) | 0.50 | 0.90 |
| ROP-28-009 | MALI: Study on the Kayes-Nioro road (250 km) | 1.00 | 0.90 |
| ROP-33-005 | NIGER: Construction of the Agadez-Tanout-Zinder road (430 km) | 60.00 | 55.25 |
| ROP-37-001 | SENEGAL: Study on the Tambacounda-Guinea border road (100 km) | 1.00 | 17.00 |
| ROP-37-003 | SENEGAL: Construction of the Ziguinchor-M'Pak-Guinea-Bissau border road (14 km) | 2.70 | 3.00 |
| ROP-39-002 | SIERRA LEONE: Feasibility study on the Rogebre-Port Loko-Pamelap road (74 km) | 0.35 | 24.30 |
| ROP-40-001 | SOMALIA: Study on the Berbera-Djibouti road (220 km) | 2.00 | 0.50 |
| ROP-40-002 | SOMALIA: Study on the Somalia-Kenya border road (260 km) | 2.00 | 0.20 |

Road and Road transport (cont'd)

| Project Number | Project title | Estimated total cost ($m) Previous | Revised |
|---|---|---|---|
| ROP-43-001 | UNITED REPUBLIC OF TANZANIA: Study on the Mutukula-Bukoba road (232 km) | 2.00 | 13.00 |
| ROP-44-002 | TOGO: Construction of the Ghana-Lome benin coastal road (first phase) | 20.00 | 14.09 |
| ROP-46-002 | UGANDA: Rehabilitation and construction of the Masaka-Lyantonde-Mbarara-Ntungamo-Rubale and the Mbarara-Ishake-Katunguru roads | 111.76 | 42.45 |
| ROP-47-002 | BURKINA FASO: Construction of the Ouagadougou-Kaya-Dori road (310 km) | 56.00 | 59.50 |
| ROP-47-003 | Burkina Faso: Construction of the Fada N'Gourma-Pama road (140 km) | 27.00 | 28.30 |
| ROP-47-005 | Burkina Faso: Maintenance and rehabilitation of the national network (1050 km) | 42.00 | 48.25 |
| ROP-49-006 | ZAMBIA: Study on the Mansa-Luwingu-Kasama road (340 km) | 1.10 | 57.59 |
| ROP-49-008 | ZAMBIA: Study on the Mansa-Mwense-Nchelenge road (255 km) | 0.70 | 40.20 |
| ROP-50-001 | ZIMBABWE: Reconstruction of the Bulawayo-Beit Bridge road (177 km) | 21.10 | 26.40 |
| ROP-50-003 | ZIMBABWE: Study on the Harare-Chirundu road (69 km) | 0.10 | 10.10 |
| ROP-50-004 | ZIMBABWE: Study on the Zvishavane-Chicualacuala road (314 km) | 3.20 | 0.30 |

B. Railways and rail transport

| Project Number | Project title | Estimated total cost ($m) Previous | Revised |
|---|---|---|---|
| RAP-01-001 | ALGERIA: Engineering studies for the construction of a railway line in the Highland Plateau region and implementation of the first phase | 600 | 425 |
| RAP-02-001 | ANGOLA: Mocamedes Railway: Renewal of the track and sleepers between Entroncamento and Menongue(321 km) | 6.00 | 19 |
| RAP-02-002 | ANGOLA: Luanda Railway: renovation, ballasting and realignment (385 km) | 36 | 58 |
| RAP-06-001 | CAMEROON: Realignment of the track between Douala and Yaounde: Esaka-Naloume section | 80 | 300.3 |
| RAP-11-001 | CONGO: Rehabilitation and modernization of 342 km of the Congo-Ocean Railway | 120.60 | 200.7 |
| RAP-16-001 | GABON: Trans-Gabon Railway: Construction of the Booue-Franceville section(351km) | 853.00 | 1.070. |
| RAP-18-001 | GHANA: Establishment of a railways training school under implementation | 23.06 | 22.3 |
| RAP-18-002 | GHANA: Mechanization of railway track maintenance | 10.61 | 11.3 |
| RAP-18-003 | GHANA: Modernization of breakdown trains | 1.73 | 3.0 |
| RAP-19-001 | GUINEA: Renewal of ballast and rails, miscellaneous equipment;training; modernization (stations, telecommunications) for the entire railway (662km) (second phase) under implementation | 105.00 | 6.40 |

**Railways (cont'd)**

| Project Number | Project title | Estimated total cost ($m) Previous | Revised |
|---|---|---|---|
| RAP-27-001 | MALAWI: Rehabilitation and improvement of the track and structures between Balaka and Salima | 8.40 | 20 |
| RAP-28-001 | MALI: Purchase of transport facilities for permanent way staff | 0.63 | 0.60 |
| RAP-28-002 | MALI: Transfer of the Bamako goods station to Korofina | 5.00 | 10.00 |
| RAP-28-003 | MALI: Rehabilitation of the track between Bamako and Koulikoro (59km) | 3.33 | 13.60 |
| RAP-28-004 | MALI: Replacement of 58 turnouts (second phase) | 1.17 | 2.90 |
| RAP-28-005 | MALI: Renewal and strengthening of transport stock | 20.00 | 54.00 |
| RAP-37-001 | SENEGAL: Renewal and modernization of the track between Malème Hondar and Kidira (374 km) | 25.00 | 61.70 |
| RAP-41-001 | SUDAN: Renewal and modernization of the Khartoum-Sennar line (150 km) | 35.00 | 72.00 |
| RAP-41-002 | SUDAN: Rehabilitation of the track on the El Obeid-Sennar-Kasalla-Haiya line (700 km) | 65.00 | 162.00 |

Railways (cont'd)

| Project Number | Project title | Estimated total cost ($m) Previous | Revised |
|---|---|---|---|
| RAP-41-003 | SUDAN: Renewal of track on the Sennar-Ed Damazin Section | 42.00 | 95.00 |
| RAP-41-004 | SUDAN: Rehabilitation and modernization of the Babanusa-Nyala section: Phase II (700 km) | 60.00 | 130.00 |
| RAP-41-005 | SUDAN: Improvement of signalling and telecommunications facilities | 45.00 | 60.00 |
| RAP-41-006 | SUDAN: Mechanization of track maintenance and repairs on the Khartoum-Atbara-Haiya line | 70.00 | 175.00 |
| RAP-41-007 | SUDAN: Purchase of rolling stock for renewal and modernization (first phase) | 100.00 | 290.00 |
| RAP-41-008 | SUDAN: Renewal of track, rail welding, purchase of miscellaneous equipment for Port Sudan-haiya line (203 km) | 60.00 | 145.00 |
| RAP-42-002 | SWAZILAND: Dieselization of Swaziland Railway | 11.40 | 20.00 |
| RAP-42-003 | SWAZILAND: Purchase of road and rail breakdown equipment | 2.00 | 1.10 |
| RAP-46-001 | UGANDA: Modernization of the signalling to Kasese and from Tororo to Pakwach | 6.10 | 9.10 |
| RAP-46-003 | UGANDA: Renewal and realignment of the northern corridor network track (226 km) | 40.50 | 39.00 |
| RAP-46-004 | UGANDA: Purchase of spare parts for rolling stock and electrical installations | 3.35 | 10.00 |
| RAP-46-006 | UGANDA: Studies on the establishment of a permanent way depot and on the construction of a concrete sleeper factory | 0.53 | 0.40 |
| RAP-46-007 | UGANDA: Study on the establishment of a railway training school | 0.65 | 0.30 |

**Railways (cont'd)**

| Project Number | Project title | Estimated total cost ($m) Previous | Revised |
|---|---|---|---|
| RAP-46-007 | UGANDA: Study on the establishment of a railway training school | 0.65 | 0.30 |
| RAP-48-002 | ZAIRE: Training of SNCZ staff | 2.60 | 2.30 |
| RAP-46-003 | ZAIRE: Supply of equipment for the SNCZ (second phase) | 42.00 | 120.80 |
| RAP-49-003 | ZAMBIA: Feasibility study on the construction of new railway lines linking Zambia with neighbouring countries (and ports) | 0.50 | 0.60 |
| RAP-60-005 | IVORY COAST/MALI: Studies on the inter-connection of the railway networks of the two countries (650 km) | 3.33 | 3.30 |
| RAP-60-008 | EGYPT/SUDAN: Construction of a railway link between Egypt and the Sudan | 450.00 | 500.00 |
| RAP-60-009 | KBO: Engineering studies on a proposed railway link between Rwanda, Burundi and the United Republic of Tanzania | 5.80 | 4.00 |
| RAP-60-010 | NIGER: Feasibility studies on providing the Niger with access to the sea: Dori-Niamey and Kano-Maradi links | 0.15 | 102.30 |
| RAP-60-012 | CEAO: Construction of a joint wagon factory | 8.00 | 3.10 |
| RAP-60-013 | TAZARA: Purchase of 36 diesel electric main line locomotives (first phase) | 26.00 | 55.00 |
| RAP-60-015 | TAZARA: Purchase of 1000 wagons (first phase) | 23.00 | 24.00 |
| RAP-60-017 | TAZARA: Various activities aimed at track rehabilitation (earthworks, rail welding, introduction of mechanized maintenance) | 44.00 | 70.00 |

Railways (Cont'd)

| Project number | Project title | Estimated total cost ($M) Previous | Revised |
|---|---|---|---|
| RAP-60-023 | TAZARA: Construction of terminals at the new Kapiri Mposhi station for the storage and handling of goods | 15.00 | 0.40 |
| RAP-60-024 | TAZARA: Purchase of two breakdown cranes, two wheel lathes and handling equipment | 9.00 | 7.00 |
| RAP-60-025 | TAZARA: Provision of signalling and telecommunications equipment | 36.00 | 11.00 |
| RAP-60-026 | TAZARA: Setting up of training facilities and financing of training abroad in new technologies and management | 1.30 | 4.50 |

C. Shipping

| Project Number | Project title | Estimated total cost ($m) Previous | Revised |
|---|---|---|---|
| SHP-60-001 | Construction and equipment of the Academy of Marine Science and Technology for the French-speaking countries of West and Central Africa | 58.00 | 12.50 |
| SHP-60-002 | GHANA: Financial assistance and provision of a ship simulator for the Regional Academy of Marine Science and Technology at Accra | 48.00 | 6.50 |

D. Ports

| | | | |
|---|---|---|---|
| HAP-11-001 | CONGO: Study on the expansion of the port Pointe Noire | 2.00 | 1.73 |
| HAP-16-001 | GABON: Expansion of the port of Ovendo;rehabilitation of a dry dock | 140.18 | 37.50 |
| HAP-20-001 | GUINEA-BISSAU: Comprehensive port development project | 30.00 | 47.50 |
| HAP-26-001 | MADAGASCAR: Improvement of navigation conditions in ports: dredging, buoying and hydrographic studies | 20.00 | 35.00 |
| HAP-26-001 | MALI: Construction of warehouses for Mali at the ports of Dakar, Cotonou and Abidjan | 6.08 | 8.00 |
| HAP-37-001 | SENEGAL: Construction of a container terminal at the port of Dakar (first phase) | 25.00 | 27.6 |
| HAP-48-002 | ZAIRE: Expansion of the port of Matadi | 5.00 | 9.5 |
| HAP-48-003 | ZAIRE: Construction of a landing stage for cereals at the port of Matadi | 9.60 | 3.5 |

E. **Air transport**

| Project Number | Project title | Estimated total cost ($m) Previous | Revised |
|---|---|---|---|
| AIP-16-003 | GHANA: Modernization and expansion of Kotoka international airport | 27.50 | 15.00 |
| AIP-27-002 | MALAWI: Construction of a new airport at Monkey Bay | 1.85 | 1.50 |
| AIP-42-001 | SWAZILAND: Upgrading of Matsapha airport | 30.00 | 30.00 |
| AIP-47-001 | Burkina Faso: Development of Bobo-Dioulasso airport | 6.00 | 20.21 |

F. Inland water transport

| Project Number | Project title | Estimated total cost ($m) Previous | Revised |
|---|---|---|---|
| INP-11-002 | CONGO: Studies on improving the navigability of the northern Congo river network | 0.40 | 0.25 |
| INP-16-001 | GABON: Improvement of navigation on the Ogooue river and on the Fernand Vaz lagoons | 12.00 | 14.5 |
| INP-46-001 | UGANDA: Rehabilitation and improvement of facilities at the ports of Lake Victoria (Jinja and Port Bell) | 0.66 | 1.13 |

G. Multimodal transport

| Project Number | Project title | Estimated total cost ($m) Previous | Revised |
|---|---|---|---|
| MMP-27-001 | MALAWI: Study and construction of container terminals at Blantyre, Lilongwe and Salaka | 1.05 | 3.40 |
| MMP-46-001 | UGANDA: Study on the construction of container terminals and transit sheds at Tororo, Kampala and Kasese. Combined with | 0.06 | 8.41 |
| MMP-46-002 | UGANDA: Feasibility study on the establishment of a terminal at Kampala | 0.06 | |

## II. COMMUNICATIONS

### A. Telecommunications

| Project Number | Project title | Estimated total cost ($M) Previous | Revised |
|---|---|---|---|
| TEP-11-006 | CONGO: Extension and rehabilitation of urban telephone networks and exchanges | 12.10 | 21.00 |
| TEP-11-007 | CONGO: Realignment of the Brazzaville-Pointe Noire coaxial cable | 1.74 | 1.00 |
| TEP-11-009 | CONGO: Installation of an international telex switching centre | 3.18 | 1.40 |
| TEP-17-001 | THE GAMBIA: National trunk switching centre, banjul | 0.78 | 12.00 |
| TEP-18-001 | GHANA: Rehabilitation of Takoradi and Tema coast radio stations | 3.05 | 0.80 |
| TEP-18-005 | GHANA: Sunyani-Berekim-Dormaa Ahenkro-Sampo/Yamoasikro (IVory Coast) UHF radio link | 2.18 | 0.70 |
| TEP-18-006 | GHANA: New telecommunications engineering school at Adentan | 31.34 | 1.78 |
| TEP-18-007 | GHANA: Accra/Bolgatanga microwave link | 28,41 | 27.90 |
| TEP-22-001 | KENYA: Rural telecommunication project | 5.90 | 6.90 |
| TEP-46-002 | UGANDA: Jinja-Tororo-Gulu trunk route and telephone exchanges | 10.14 | 16.10 |
| | Total 10 projects | 98.82 | 89.58 |

B. — Broadcasting

| Project Number | Project title | Estimated total cost ($M) Previous | Revised |
|---|---|---|---|
| BRP-04-002 | BOTSWANA: Improvement of the Very High Frequency broadcasting network | 0.20 | 2.00 |
| BRP-17-001 | THE GAMBIA: Improvement of facilities of Radio Gambia | 0.30 | 0.39 |
| BRP-17-003 | THE GAMBIA: Development of information and broadcasting sector | 1.40 | 0.35 |
| BRP-18-002 | GHANA: Rehabilitation of Weija monitoring station | 0.68 | 0.90 |
| BRP-50-002 | ZIMBABWE: Assistance in broadcasting management training for Zimbabwe broadcasting staff | 0.50 | 0.60 |
| BRP-50-003 | ZIMBABWE: Strengthening of Zimbabwe Institute of Mass Communication | 2.00 | 0.50 |
| | Total 6 projects | 5.08 | 4.74 |

C. Postal

| Project Number | Project title | Estimated total cost ($M) Previous | Revised |
|---|---|---|---|
| POP-04-002 | BOTSWANA: Establishment of a postal bus service | 0.22 | 0.31 |
| POP-06-001 | CAMEROON: Establishment of a regional transit centre at Douala | 21.84 | 25.00 |
| POP-06-002 | CAMEROON: Establishment of mail sorting centre at Yaounde and Douala | 8.96 | 6.50 |
| POP-06-006 | CAMEROON: Construction of a main post office with administrative services at Yaoundé | 5.72 | 10.00 |
| POP-10-001 | COMOROS: Establishment of a vocational training centre | 0.53 | 0.77 |
| POP-10-002 | COMOROS: Establishment of mobile post offices in rural areas | 0.35 | 0.26 |
| POP-10-003 | COMOROS: Construction of 12 new post offices | 1.47 | 5.09 |
| POP-10-004 | COMOROS: Construction of a central post office | 0.30 | 2.29 |
| POP-12-001 | DJIBOUTI: Establishment of a post office and a postal training centre | 0.37 | 0.71 |
| POP-13-001 | EGYPT: Expansion of the postal printing house | 4.50 | 4.00 |
| POP-16-001 | GABON: Construction of an administrative complex at Libreville | 15.00 | 30.00 |
| POP-19-001 | GUINEA: Improvement of relations between the post and its users | 10.66 | 11.46 |
| POP-19-002 | GUINEA: Construction of a general post office at Conakry | 20.00 | 9.60 |

Postal (cont'd)

| Project Number | Project title | Estimated total cost ($M) Previous | Revised |
|---|---|---|---|
| POP-26-001 | MADAGASCAR: Establishment of a regional transit centre at Antananarivo | 21.84 | 1.57 |
| POP-27-001 | MALAWI: Establishment of two sorting centres/offices of exchange | 1.50 | 1.00 |
| POP-27-002 | MALAWI: Establishment of 16 new post offices | 2.00 | 1.50 |
| POP-28-001 | MALI: Establishment of a regional transit centre at Bamako | 7.00 | 2.50 |
| POP-28-002 | MALI: Equipment of 15 rural mobile post offices | 0.43 | 0.58 |
| POP-28-004 | MALI: Establishment of an airmail office of exchange at Senou | 0.52 | 0.15 |
| POP-30-001 | MAURITIUS: Electronic equipment for the post office savings bank | 0.93 | 0.06 |
| POP-32-003 | MOZAMBIQUE: Establishment of a multi-national postal training school at Beira | 4.00 | 4.18 |
| POP-33-002 | NIGER: Supply of equipment for the money order control centre at Niamey | 0.02 | 0.13 |
| POP-33-003 | NIGER: Establishment of eight post offices and a sorting centre | 5.10 | 1.00 |
| POP-41-001 | SUDAN: Development of postal services especially in rural areas | 4.00 | 4.60 |
| POP-42-003 | SWAZILAND: Establishment of an international airmail office of exchange | 0.49 | 0.08 |
| POP-42-004 | SWAZILAND: Establishment of post offices in rural areas | 0.48 | 0.40 |
| POP-44-001 | TOGO: Construction of a mail sorting centre at Lomé | 6.50 | 4.50 |

Postal (cont'd)

| Project Number | Project title | Estimated total cost ($M) Previous | Revised |
|---|---|---|---|
| POP-44-004 | TOGO: Purchase of postal equipment | 1.00 | 1.20 |
| POP-44-005 | TOGO: Construction of 15 post offices | 4.40 | 4.50 |
| POP-44-006 | TOGO: Reorganization and development of postal services in rural areas | 0.40 | 0.50 |
| POP-47-001 | BURKINA FASO: Construction and equipment of a sorting centre at Ouagadougou | 3.40 | 1.40 |
| POP-48-001 | ZAIRE: Construction of a sorting centre at Goma | 7.00 | 2.50 |
| POP-48-006 | ZAIRE: Study for the improvement of Ciro services | 0.35 | 9.00 |
| POP-49-001 | ZAMBIA: Construction of an office of exchange and a surface mail sorting centre | 0.60 | 0.63 |
| POP-49-002 | ZAMBIA: Organization of mail transport | 2.00 | 2.59 |
| POP-50-002 | ZIMBABWE: Establishment of a sorting centre at Harare | 4.20 | 1.23 |
| POP-50-003 | ZIMBABWE: Establishment of a postal trainingcentre at Harare | 1.50 | 1.23 |
| POP-60-002 | UPU: Establishment of a multinational postal school at Brazzaville | 3.00 | 1.58 |
| POP-60-004 | UAPT: Construction of a workshop for manufacturing postage stamps | 19.00 | 3.70 |
| | Total 39 projects | 191.58 | 158.30 |

ANNEX II

**Projects deleted from Second Phase Programme at the request of African Governments**

I. TRANSPORT

| Project number | Project title | Estimated total cost ($m) |
|---|---|---|
| A. **Roads and road transport:** | | |
| ROP-23-003 | LESOTHO: Study on two pilot road maintenance centres | 2.50 |
| B. **Railway and rail transport:** | | |
| RAP-21-001 | IVORY COAST: Regie Abidjan-Niger: Realignment of the track between Petionara and Tafire | 33.00 |
| RAP-21-002 | IVORY COAST: Regie Abidjan-Niger: Doubling of the track between Anyama and Bouake | 27.00 |
| RAP-49-004 | ZAMBIA: Feasibility study on a proposed railway linking Chigola-Chililabombwe with the Angola network | 0.60 |
| C. Shipping | | |
| SHP-33-001 | NIGER: Purchase of a cargo ship | 8.00 |
| SHP-60-007 | EAST AND SOUTHERN AFRICA: Study on the establishment of a shipping line for East and Southern Africa | 0.20 |
| D. Ports: | | |
| HAP-41-001 | SUDAN: Rehabilitation of the old Suakin port | 40.00 |
| E. **Air transport:** | None | |

F. Inland water transport

| Project number | Project title | Estimated total cost ($m) Pre |
|---|---|---|
| INP-27-002 | MALAWI: Rehabilitation and improvement of the MV "Ilala" and studies to be followed by its complete renovation | 0.70 |
| INP-27-003 | MALAWI: Study on the development of Chintheche harbour | 0.70 |

G. Multimodal transport: None

## II. COMMUNICATIONS

| Project title | Project title | Total estimated cost ($M) |
|---|---|---|
| A. Telecommunications: | None | |
| B. Broadcasting | | |
| BRP-19-006 | GUINEA: Construction of four television transmission centres | 4.10 |
| BRP-19-007 | GUINEA: Staff training for radio and television programming and transmission centre | 0.24 |
| C. Postal Services | | |
| POP-08-008 | CENTRAL AFRICAN REPUBLIC: Logistical facilities common to the postal and telecommunications services | 4.53 |
| POP-09-002 | CHAD: Establishment of rural mobile postal service | 0.17 |
| POP-42-005 | SWAZILAND: Establishment of a surface mail office of exchange | 0.51 |
| POP-44-02 | TOGO: Construction and equipment of a new main post office at Lomé | 6.32 |
| POP-44-003 | TOGO: Development and reorganization of the post office savings bank in rural areas | 1.50 |
| POP-50-001 | ZIMBABWE: Establishment of a postal transit centre at Harare | 8.00 |

ANNEX III

## Modified Projects of the Second Phase Programme

### I. TRANSPORT

| Project Number | New title | Estimated cost ($M) |
|---|---|---|
| 1. Roads and road transport: | None | |
| 2. Railways and rail transport | | |
| RAP-47-001 | BURKINA FASO: Incorporated in RAP-60-010<br>NIGER: Feasibility studies on providing the Niger with access to the sea: Dori-Niamey and Kano-Maradi links | |
| 3. Maritime transport: | None | |
| 4. Ports: | None | |
| 5. Air transport: | None | |
| 6. Inland water transport: | | |
| 7. Multimodal transport: | | |
| MMP-46-001/002 | UGANDA: Combined to new title: Containerization of rail traffic | |

## II. COMMUNICATIONS

| Project title | New title | Estimated cost ($M) Previous | New |
|---|---|---|---|
| **Telecommunications:** | None | | |
| **Broadcasting:** | None | | |
| **Postal Services:** | | | |
| POP-08-007 ) | | 0.90 | 1.20 |
| POP-08-008 ) | CAR - combined | 4.53 | |
| POP-17-001 ) | The GAMBIA: Development of | 1.13 | |
| POP-17-002 ( | programme for postal services | 0.37 | 1.50 |
| POP-17-003 ) | in the Gambia | 0.05 | |
| POP-47-002 ) | BURKINA FASO: Construction of | 2.30 | 0.85 |
| POP-47-003 ) | 17 post offices | 2.64 | |
| POP-09-003 | CHAD: Restoration and re-equipment of the posts and telecommunications office | 1.06 | 0.20 |

ANNEX IV

## Proposed New Projects for the Second Phase Programme

### I. TRANSPORT

| | Country | Description | Estimated Cost ($m) |
|---|---|---|---|
| 1. | Burkina Faso | Construction and equipment of container terminals at Ouagadougou and Bobo Dioulasso | 2.50 |
| 2. | Burkina Faso | Study for the establishment of handling units at Ouagadougou and Bobo Dioulasso | 1.25 |
| 3. | Burkina Faso | Construction of a marshalling yard at Ouagadougou | 4.10 |
| 4. | Burkina Faso | Construction of warehouses in Burkina Faso | N/D |
| 5. | Burkina Faso | Improvement of the track and fixed installations in Burkina Faso | 13.52 |
| 6. | Congo | Doubling of the section of the CFCO between Mfilou and Talangai (16 km) | 43 |
| 7. | Congo | Conversion of the brake system | 6 |
| 8. | Ivory Coast | Extension of the tracks at railway stations | 25 |
| 9. | Ivory Coast | Remodelling of the sidings at stations | 10 |
| 10. | Ivory Coast | Construction of two warehouses at Abidjan and Ouagadougou and one diesel block at Ouagadougou | N/D |
| 11. | Ivory Coast | Renovation and purchase of track maintenance equipment | 0.44 |
| 12. | Ivory Coast | Purchase of seven locomotives | 8.50 |
| 13. | Ivory Coast | Renovation of rolling stock | 10 |
| 14. | Ivory Coast | Conversion of the brake system | 1.50 |

| | Country | Description | Estimated Cost ($m) |
|---|---|---|---|
| 15. | Gabon | Libreville railway station | |
| 16. | Gabon | Warehouse at Moamba | |
| 17. | Ghana | Feasibility study for the construction of a rial link between Awaso and Sunyani | N/D |
| 18. | Senegal | Re-equipment of the Kidira railway station | 2.60 |
| 19. | Senegal | Replacement and increase in tractive stock | 4.70 |
| 20 | Senegal | Replacement and increase in hauled stock | 3.10 |
| 21. | Senegal | Repair and strengthening of the track between Bargny and Malame-Hodar | 7 |
| 22. | Burkina Faso | Improvement of the Ouagadougou airport | 10.6 |
| 23. | Burkina Faso | Construction and equipment of 14 provincial airports | 2.2 |
| 24. | Zaire | Strengthening of the runway at Kinshasa/N'Djili airport and renovation of radio aids and lighting systems | 12.0 |
| 25. | Zaire | Solarization of radio navigation equipment | 6.9 |
| 26. | Zaire | Extension and strengthening of the runway at Burmia airport | 5.7 |
| 27. | Regional | African Civil Aviation Information System (AFCAIS) | 0.55 |
| 28. | Regional (Cameroon) | Construction and equipment of a regional fire safety school | 0.3 |
| 29. | Kenya | VHF Communications equipment for integrated radar system | 8.0 |
| 30. | Kenya | Expansion of flight inspection unit | 1.4 |
| 31. | Kenya | Calibration centre for test and inspection of test equipment | 0.9 |

## II. COMMUNICATIONS

| Country | Description | Estimated cost ($M) |
|---|---|---|
| 1. ANGOLA | Establishment of a national training school | 2.50 |
| 2. ANGOLA | Establishment of a regional transit centre | 12.56 |
| 3. CHAD | Construction of national mail sorting centre at N'Djamena | 3.00 |
| 4. CHAD | Reorganization and re-equipment of Giro-centres and of the CNE | 2.00 |
| 5. CHAD | Reconstruction of a national training school for posts and telecommunications at N'Djamena | 0.18 |
| 6. CHAD | Establishment of a long-term master plan for rehabilitating and developing postal and financial services | 0.10 |
| 7. COMOROS | Creation of a Giro centre and a national savings bank | 0.86 |
| 8. KENYA | Establishment of a regional transit centre at Mombasa | 0.78 |
| 9. KENYA | Establishment of a regional transit centre at Nairobi | 0.50 |
| 10. SUDAN | Construction of a transit centre and a surface mail sorting centre at Port Sudan and Wadi Halfa | 3.90 |
| 11. PAPU | Establishment of a Postal Legislation and Regulations Committee to harmonize the African postal services | 0.50 |
| | Total | 26.88 |